



## SURFACE MOUNT DOWNLIGHT

Ref No: GR-FM-12WQ



LED Downlight is surface solution, made of metal, PCB and diffuser plate. Black/White housing finished available. And it is available to do suspension installation with extra ropes. High CRI, High Lumens output, stable quality, making it to be a perfect choices for commercial lighting.

### Complete Product Data

Order Number	GR-FM-12WQ
Total Wattage	12W±5%
Mounting Type	Surface mounted
Dimension(mm)	φ160*75mm
Outcut(mm)	/
IP Grade	IP20 (IP44 Max)
Luminaries Lumens	1100-1300lm
Beam angle	120°
Working temperature	-30°C ~ +55°C
Certificates standard	CE LVD EMC RoHS
Warranty	3/5Years
Package	/

### Control Gear Data

LED driver brand	Guanx/Golumen/LiFud/Eagleries/Osram
Input voltage	220-240VAC 50/60Hz
Output voltage	30-42Vdc
Output current	400-500mA
Power Factor	>0.5 or >0.85
Surge protection	1KV
Efficiency	>86% @230V
IP Grade	IP22
THD	<15% @230V
Dimmable	No, but available to select it as Triac/0-10V/DALI if needed
Free flicker	Yes
Protection	Short circuit, open circuit, overcurrent, overvoltage protection
Certificates	CCC、RCM、CE、CB
Warranty	3/5Years

## Material&Housing Data

Housing Color	Matt white/ black housing color
Housing Material	Metal
Diffuser	polycarbonate Cover
Reflector	/
Lens	/
Surface part	Metal

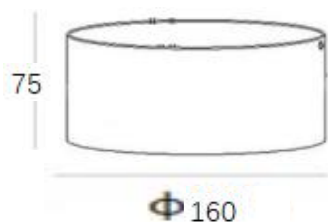
## Photometric Data

LED chip brand	Bridgelux
Chip type	SMD
Color temperature	2700-2800K/3000-3200K/4000-4500K/ 5700-6000K/ 6000-6500K
CRI	>Ra80
Life time	>50000Hrs
Lumens	120-140lm/W
SDCM	<5 or <3
Lumens maintenance	99.9%@1000hrs/ 99%@3000hrs /98%@10000hrs. (LM80)

## Optional

Dimming Type	Triac dim/ DALI/0-10V dimmable optional
Dimming driver brand	EAGLERISE <b>KOPU</b>
Emergency backup	1-2W with 1-3hours battery backup

## Dimension



Unit:mm

## Lighting Distribution

